AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

- 1. (Currently Amended) An implantable balloon comprising:
 - a valve portion having:
 - a valve body defining an inlet;
 - a valve stem extending from said body opposite said inlet;
 - a piercing extending from said inlet, through said body and stem, said valve portion constructed from a soft, clastomeric material having memory thereby causing said piercing to remain closed and fluid-tight unless penetrated by a relatively rigid member, the memory of the material also causing reclosing of said valve to a fluid-tight configuration after the piercing and the withdrawal of the relatively rigid member;
 - a balloon portion, integral with said valve portion, constructed and arranged to receive and hold fluids exiting said piercing opposite said inlet.
- (Original) The balloon of claim 1 wherein said valve stem comprises at least one side.

- 3. (Original) The balloon of claim 1 wherein said valve stem comprises a rounded tip.
- 4. (Original) The balloon of claim 1 wherein said valve stem comprises a side and said valve portion further has a sidewall, laterally displaced from said valve stem side, and integral with an inside surface of said balloon portion.
- 5. (Original) The balloon of claim 1 wherein said valve portion is substantially cylindrical.
- 6. (Original) The balloon of claim 1 wherein said valve body, said valve stem, and said inlet are substantially cylindrical and substantially concentric.
- (Original) The balloon of claim 1 wherein said valve stem comprises at least one side and said piercing extends through said side of said stem.
- 8. (Original) The balloon of claim 1 wherein said valve stem comprises a side and said valve portion further has a sidewall extending from said valve body, laterally displaced from said valve stem side.
- 9. (Original) The balloon of claim 8 wherein said valve body forms a curved web, integrally connecting said valve portion sidewall with said valve stem side, said curved web being concave and opening toward said balloon portion.

- 10. (Original) The balloon of claim 1 wherein said soft, elastomeric material comprises silicone.
- 11. (Currently Amended) A self-sealing medical balloon of unitary construction, implantable in a human body, comprising:
 - a cylindrical valve body having a predetermined diameter and an upper side and a lower side;
 - an inlet defined by said valve body lower side;
 - a cylindrical valve stem extending upwardly from said valve body, said valve stem having a diameter smaller than said valve body diameter;
 - a balloon wall adapted to receive and hold fluids, the balloon wall extending upwardly outwardly from said valve body, said balloon wall having an inner diameter, while in a deflated state, which is larger than said valve stem diameter such that an annular space exists between said balloon wall and said valve stem while said balloon is deflated, said annular space provided to relieve stress from a union of said balloon wall and said valve body when said balloon is inflated; a piercing extending from said inlet, through said valve body and through said valve stem, into an inner chamber defined by said balloon, said piercing constructed and arranged to remain closed unless a substantially rigid member is pushed through said piercing, such as to inflate said balloon.

whereby said piercing member recloses after said member is withdrawn, thereby preventing a fluid from escaping from said inner chamber.

09/26/2006 14:31

Application No. 09/872,704

- 12. (Original) The balloon of claim 11 whereby said inlet, said valve body, and said valve are substantially concentric, sharing a common longitudinal axis.
- 13. (Original) The balloon of claim 12 whereby said piercing follows said longitudinal axis.

AMS

- 14. (Original) The balloon of claim 12 whereby said piercing comprises a curved portion.
- 15. (Original) The balloon of claim 12 whereby said piercing comprises a straight portion and a curved portion, said straight portion extending upwardly from said inlet and substantially parallel to said axis, said curved portion extending from said straight portion to a side of said valve stem.
- 16. (Original) The balloon of claim 11 wherein said annular space is defined on a lower side by a curved web which is concave and opening upwardly.
- 17. (Original) The balloon of claim 11 wherein said balloon is constructed entirely of silicone.
- 18. (Original) The balloon of claim 11 further comprising a removable skirt extending downwardly from said valve body, said skirt providing a surface which may be

handled during a balloon manufacturing operation without damaging said balloon wall, or said valve body.

19. (Original) The balloon of claim 18 wherein said removable skirt has an outside diameter smaller than an outside diameter of said valve body such that a ridge is formed between said valve body and said skirt.

20-51. (Cancelled)

- 52. (Original) A valve of unitary construction, useable to prevent fluid from escaping from an implantable balloon operably attached to the valve, the valve comprising: a substantially cylindrical body defining an inlet, concentric with said body, opening in a direction opposite the balloon;
 - a valve stem, integral with said body, having a substantially cylindrical side and rounded tip opposite said body and leading to an interior of the balloon;
 - a piercing, defined by said valve body and said valve stem, extending from said inlet toward said balloon and leading to the interior of the balloon, said piercing having a bend which curves toward said stem side;
 - a cylindrical sidewall, integral with said body, extending in a direction toward said balloon, radially displaced from said stem side, thereby creating an annular space between said stem and said sidewall, said sidewall having an external surface attachable to said balloon.

- 53. (Original) The valve of claim 52 wherein said body further defines a curved portion, concave so as to open toward said balloon interior, connecting said sidewall with said stem.
- 54. (Original) The valve of claim 52 further comprising an end portion, integral with and extending from said sidewall, which curves inwardly to define an opening having an inner diameter which is smaller than an inner diameter of said cylindrical sidewall.
- 55. (Original) The valve of claim 52 wherein said cylindrical wall comprises a lower sidewall and an upper sidewall and a taper connecting said lower sidewall and said upper sidewall, whereby said lower sidewall has a larger outside diameter than an outside diameter of said upper sidewall.
- 56. (Original) The valve of claim 55 wherein said upper sidewall and said lower sidewall have substantially equal inner diameters.
- 57. (Original) The valve of claim 52 further comprising a skirt extending from said body in a direction opposite said balloon.
- 58. (Original) The valve of claim 57 wherein said skirt has an outer diameter smaller than an outer diameter of said valve body, thereby providing a visual and tactile definition of

an extent of said skirt, such that said skirt may be removed without removing material from said valve body.

- 59. (Original) The valve of claim 57 wherein said skirt is sized to frictionally fit within an open end of a dipping tube.
- 60. (Original) The valve of claim 52 wherein said valve is unitarily constructed from an elastomeric material.
- 61. (Original) The valve of claim 60 wherein said valve is unitarily constructed from silicone.

62-88. (Cancelled)